

Name of Work: Repair and renovation of an unused Medical Officer quarter for setting up District Ayurvedic Centre in the campus of District Hospital, Barasat, North 24 Parganas.

Item no	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars. (a) In ground floor including roof. Page-8 Item-3	Cu.M.	0.40	1975.00	790.00
2	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m. a) In ground floor including roof. Page-9 Item-6	Sq.M.	10.00	50.00	500.00
3	Stripping off worn out plaster and raking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed. Page-9 Item-10	Sq.M.	27.25	19.00	517.75
4	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety Page-17 Item-(7)	Cum	0.62	6804.80	4218.98
5	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor) (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge. Page-27 Item-12	Sqm	5.00	360.00	1800.00
6	Brick work with 1st class bricks in cement mortar (1:6) (a) Foundation & plinth Page-30 Item-22	Cum	0.40	5719.00	2287.60
7	125 mm thick brick work with 1st class brick in cement mortar (1:4) in ground floor Page-32 Item-29	Sqm	1.40	783.00	1096.20
8	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white All complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (i) 35 mm Thick (add extra @1.5% for each addl. floor upto 4th floor) Page-41 Item-3	Sqm	6.50	372.00	2418.00
9	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back concrete surface, if necessary or by synthetic adhesive & grout materials etc. (B) Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m (ii) Other than Coloured decorative including white Page-55 Item-30	Sqm	17.10	801.00	13697.10
	(A) Floor With Polymerised Adhesive & Epoxy grout pointing including spacer- 2 mm (When Tiles are laid over existing hard ready surface) (b) Area of each tile above 0.09 Sq.m (ii) Other than Coloured decorative including white	Sqm	6.25	1020.00	6375.00
10	(a) M.S. or W.I. Ornamental grill of approved design joints continuously welded with M.S. W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor. (i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr. Page-78 Item-10	Qtl	0.30	8247.00	2474.10

11	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame excluding cost of concrete, iron Butt Hinges and M.S clamps. (e) Sal : Malaysian Page-88 Item-1	Cu M	0.05	95898.00	4794.90
12	Supplying , fitting and fixing hinge cleat in position excluding the cost hinge and other fittings. b) with 75mm iron Butt-hinge ii) Sal : Malaysian Page-93 Item-16	Each	4.00	40.00	160.00
13	Supplying, fitting and fixing M.S. clamps for door and window frame made of flat bent bar, end bifurcated with necessary screws etc. by cement concrete(1:2:4) as per direction. (a) 40mm X 6mm, 250mm Length Page-94 Item-18	Each	6.00	33.00	198.00
14	iii) Brass hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. (c) 300mm long. Page-98 Item-27	Each	2.00	778.00	1556.00
15	(i) Door stopper (Brass) Page-100 Item-39	Each	3.00	134.00	402.00
16	(A) Iron door ring of approved quality fitted and fixed with nut and washer complete. (i) 50mm dia. Page-103 Item-59	Each	14.00	19.00	266.00
17	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 20474 fitted and fixed with cadmium plated screws: (viii) 225mm long x 12mm dia. bolt. Page-104 Item-61	Each	4.00	134.00	536.00
18	Anodised aluminium butt hinges of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 205/66) and fitted and fixed with cadmium plated screws: (v) 100 x 63 x 3.2mm. Page-105 Item-64	Each	9.00	84.00	756.00
19	Anodised aluminium decorative handle (hexagonal / fluted) of approved quality fitted and fixed complete: (i) 150mm plate x 10mm dia rod x 12mm hexagonal/fluted. Page-106 Item-66	Each	6.00	99.00	594.00
20	Labour for taking out door and window frame including shutter for repair or replacement of different parts of the frame & refixing the same including mending good all damages complete. (a) Upto area 2.5 Sq.m Page-107 Item-72	Each	6.30	121.00	762.30
21	Styles and rails of wooden shutters fitted and fixed complete. (Payment to be made on area of new work only). In Ground Floor: (iii) 37.5mm. Thick shutter. Page-110 Item-82	Sq.m	1.50	2656.00	3984.00
22	Panel (made of single plank) of door and window shutters to design as directed: In Ground Floor (ii) 19mm thick panel of 30cm to 45cm width (b) Sishu, Gamar, Champ, Badam, Bhole, Mogra, Hallak. Page-111 Item-83	Sq.m	1.35	1278.00	1725.30
23	Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, complete excluding all necessary hardware as per direction of Engineer-in-Charge. In ground floor. Page-144 Item-145	Sq.m	3.20	2277.00	7286.40
24	Supplying, Fitting & Fixing Factory made prelaminated P.V.C. door frame of size 50 mmx47 mm with a wall thickness of 5 mm, made out of extruded 5 mm Prelaminated PVC sheet horizontal member etc. complete as per Manufacturer's specification and direction of Engineer-in-Charge. Page-148 Item-150	Mtr.	10.00	447.00	4470.00
25	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor). (ii) With 1:4 cement mortar Page-164 Item-2	Sqm	16.95	208.00	3491.70

26	(b) 15 mm thick plaster (c) 10 mm thick plaster Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE: Cement 0.152 cu.m per 100 sq.m.	Sqm	14.78	176.00	2601.28
		Sqm	9.30	140.00	1302.00
27	Scraping of moss, blisters etc. thoroughly from exterior surface of walls necessitating the use of scraper, wire brush etc. Page-168 Item-1	Sqm	186.00	7.00	1302.00
28	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothing of surface. Two Coats Page-171 Item-10	Sq.M	256.00	76.00	19456.00
29	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the E.I.C. In Ground Floor. (a) One Coat P-172 I-15	%Sqm	250.50	3404.00	8527.02
30	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of E.I.C to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. In Ground floor (Two Coat) a) Normal Acrylic Emulsion P-173 I-19				
31	(b) Rendering the surface of walls and ceiling with white cement based wall putty of approved make and brand(1.5mm thick) Page-175 Item-5	Sqm	21.00	122.00	2562.00
32	(a) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothing surfaces by sand papering etc. Page-176 Item-7	Sqm	52.92	41.00	2169.72
33	(b) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothing surfaces by sand papering etc. Page-176 Item-7	Sqm	17.28	31.00	535.68
34	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothing surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (a) On timber or plastered surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white) (b) On steel or other metal surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white) Page-176 Item-8	Sqm	17.28	86.00	1486.08
35	Page-178 Item-14 Supplying, fitting & fixing of 2-Track / 3-Track Aluminium sliding Window of all Aluminium sections viz. window frame (top, bottom & side frame), shutter all complete as per architectural drawings and direction of Engineer-in-charge. 10-12 Micron thickness Anodizing film Natural white [Note : for estimate purpose construction wing may consider weight of 2-track Aluminium window @ 5.5 Kg per Sq. M. and 3-Track Aluminium window @ 6.5 Kg per Sq. M.] Page-262 Item-24	Kg	15.84	494.00	7824.96
36	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. i) 4mm thick clear glass. Page-216 Item-9	Sqm	8.64	475.00	4104.00
37	Supplying, fitting and fixing G.I. pipes of TATA make with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, paint in any position above ground. (A) For Exposed Work (Page-2 Item-1) (a) ii) 15 mm dia. medium quality (b) iii) 25 mm dia. medium quality	Mtr.	8.00	230.00	1840.00
		Mtr.	5.00	354.00	1770.00

38	(e) (iii) 40 mm dia. medium quality (B) For Concealed Work (a) 15 mm dia. medium quality (a) 25 mm dia. medium quality	Mtr.	5.00	476.00	2380.00
38	Supplying, fitting and fixing shower of approved brand and make. (a) (i) Chromium plated round shower with revolving joint 100 mm dia with rubid cleaning system (Equivalent to Code No. 542(N) & Model - Tropical / Sumthing Special or ESSCO or similar brand).	Mtr.	2.00	265.00	530.00
38	(a) (ii) 25mm (v) 40 mm dia (vii) 25 mm dia (ix) 15 mm dia	Each	1.00	2014.00	2014.00
38	Supplying, fitting and fixing bib cock or stop cock.	Each	1.00	523.00	523.00
40	(a) (i) Chromium plated Bib Cock short body (Equivalent to Code No.511 & Model - Tropical / Sumthing Special or ESSCO or similar brand).	Each	6.00	689.00	4134.00
41	Supplying, fitting and fixing C.I. holder bat clamp including cutting holes in wall etc. and mending good all damages in cement concrete with jhama chips (4:2:1) and cement plaster (6:1) to match and curing complete in all respect. Page-8 Item-14 (i) 15 mm	Each	2.00	55.00	110.00
42	Renewing chromium plating of (a) bib cock/ stop cock/ pillar cock/ waste fittings	Each	4.00	55.00	220.00
43	Page-23 Item-16 Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete C.I. brackets including two coats of painting to bracket etc.(white)	Each	1.00	1181.00	1181.00
44	Page-31 Item-02 Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks. C.P. waste fittings of 32 mm dia. one approved quality brass C.P. pillar with two coats of approved paint. (iii) 630 mm X 450 mm size	Each	1.00	3873.00	3873.00
45	Supplying, fitting and fixing pedestal of approved make for wash basin (white)	Each	1.00	3873.00	3873.00
46	Page-37 Item-03 Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992. Page-55 Item-23 (A) (ii) Single Socketed 3 Meter Length (b) 110 mm (B) Fittings (i) Coupler, (b) 110 mm (ii) Plain Tee, (b) 110 mm (x) Bend 87.5°, (b) 110 mm (xv) Pipe Clip, (b) 110 mm	Each	18.00	25.00	450.00
47	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of joining materials etc. fitting and fixing all necessary specials, cutting holes in walls or R.C. floor where upto 1.5 metre and refilling the same complete as per direction of the Engineer-in-charge. (A) Above ground (ii) 110 mm dia. Page-71 Item-01 Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous china ware of approved make complete in position with necessary bolts, nuts etc. (a) With 'P' trap (with vent)	Each	1.00	3965.00	3965.00
48	Page-74 Item-03 Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75mm X 75 mm X 75 mm wooden blocks complete. (i) 590 mm X 390 mm X 380 mm Page-75 Item-06 Supplying, fitting and fixing Foot rest for water closet of size 275 mm X125 mm with (b) Porcelain of approved make. Page-75 Item-03 Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete. (b) Anglo Indian	Each	1.00	572.00	572.00
50	Page-75 Item-06 Supplying, fitting and fixing Foot rest for water closet of size 275 mm X125 mm with (b) Porcelain of approved make.	Each Pair	2.00	257.00	514.00
51	Page-75 Item-03 Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete. (b) Anglo Indian	Each	1.00	572.00	572.00
47	Page-55 Item-23 (A) (ii) Single Socketed 3 Meter Length (b) 110 mm (B) Fittings (i) Coupler, (b) 110 mm (ii) Plain Tee, (b) 110 mm (x) Bend 87.5°, (b) 110 mm (xv) Pipe Clip, (b) 110 mm	Each	13.00	101.00	1313.00
47	Each	4.00	182.00	728.00	
47	Each	6.00	143.00	858.00	
47	Each	18.00	25.00	450.00	
47	Meter	12.00	375.00	4500.00	

Secretary
 District Health & Family Welfare Samiti
 & Chief Medical Officer of Health
 North 24 Parganas

Dy. CMOH
 Nodal Officer of Construction,
 North 24 Parganas

SAE (Civil), DPMU
 NHM, DH & FWS, 24 PGS. (N)
 26.07.16

Rupee - One Lakh Eighty nine thousand two hundred thirteen only

Each	1.00	181.00	181.00
Each	1.00	525.00	525.00
Each	2.00	56.00	112.00
Each	1.00	792.00	792.00
Each	2.00	613.00	1226.00
Each	1.00	1972.00	1972.00
Grand Total		Rs 1,89,213/-	Rs 1,89,213/-

- 52 Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete.
- 53 Supplying, fitting and fixing urinal flush pipe fittings of approved brand (a) C.P. urinal flush pipe fittings range of one Page-76 Item-11
- 54 Supplying, fitting and fixing soap holder. (c) Polythene Page-77 Item-18
- 55 Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I. specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm Page-77 Item-19
- 56 Supplying, fitting and fixing towel rail with two brackets (a) C.P. over brass Page-77 Item-22
- 57 Supplying, fitting and fixing in position C.I. manhole/pit cover with rim. (a) Round (i) 450 mm X 100 mm X 21 kg (approx.) Page-89 Item-09

E.I. work at Ayush Centre at Barasat District Hospital campus

Name of Work:-

North 24 Parganas

Report:-

This estimate has been prepared to meet up the probable cost on account of E. I. work for Ayush Centre at Barasat District Hospital of North 24 Parganas. As per site inspection it has been found new electrical concealed wiring & new fluo. Tube, ceiling fan, exhaust fans etc. with necy, fittings are required to be done. Hence the following estimate has been framed to meet up the probable cost for the aforesaid work and submitted for final approval & financial sanction.

Sl. No.	Description of Item	Unit	Qty.	Rate.(Rs)	Amount.(Rs)
1	Supplying and fixing Sheet steel DP 32A Main Switches on flat iron frame on wall with fuse on L&N.	Each	1	1,425.00	1,425.00
2	Supply & laying of 1.1KV grade 2 core 10 sq.mm. XLPE/PVC insulated armoured Al. cable (Niccogloster/Havells Make) with 1 nos. 10 SWG GI wire as earthing continuity wire	Mtr.	5	280.92	1,404.60
		Mtr.	10	209.92	2,099.20
3	S&F compression type cable gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables & finishing the same as per G5 A) 2 Core 10 Sqmm/A Cable	Each	2	158.00	316.00
4	S&F double-door 2+8way SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment incl. S&F 8nos. 6-32A SP MCB & 40A DP Isolator on din rail of existing DBs and necessary connection (Make- Legrand, Enclosure (607711))	Each	1	3,930.00	3,930.00
5	Distn. wiring in 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) in 19 mm bore, 3 mm thick polythen pipe complete with all accessories embedded in wall to light/fan/call bell points with Piano key type switch (Anchor make) fixed on sheet metal (16 SWG) switch board with bakelite/perspex (wall matching colour) top cover (3 mm thick) flushed in wall incl. mending good damages to original finish	Point	16	930.00	14,880.00
	a) Avg. run 7 Mtr.	Point	3	76.00	228.00
		Point	3	76.00	228.00
6	Supply & Fixing 240 V, 3 nos. 6A, & 1 no. 20A plug socket with separate 3 nos. 6 A & 1 no. 20A Piano key type switch with indicator & 16A kit-kat flush type fuse (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 240X200X65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required (for Comp. board)	Point	4	763.00	3,052.00
7	Supply & Fixing 240 V, 20A, plug socket with separate 20 A Piano key type switch (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 150X100X65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required	Point	2	324.00	648.00
8	Supplying and Drawing 1.1 KV single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) of the following sizes in the prelad polythene pipe and by the prelad GI fish wire and making necy. connection as required	Mtr.	75	76.00	5,700.00

Secretary
District Health & Family Welfare Samiti
& Chief Medical Officer of Health
North 24 Parganas

Nodal Officer of Construction,
North 24 Parganas
Dy. C.M.O.H - I
2/8/16

SAE (Elec), DPMU
NHM, DH & FWS, 24 PGS. (N)

02/8/16

Rupees Sixty One Thousand Four Hundred Forty Six Only.			Say Total.....Rs.	Total.....Rs.
9	Each	1	2,035.00	61,445.98
9	Each	2	3,458.20	
9	Each	1	2,035.00	
10	Each	4	1,950.32	7,801.28
11	Each	4	272.00	1,088.00
12	Each	6	1237.80	7,426.80
13	Each	3	273.57	820.70
14	Each	1	1,675.00	1,675.00
			Say Total.....Rs.	61446.00